PTO/SB/05 (03-01) or use through 10/31/2002, OMB 0651-0032

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## UTILITY PATENT APPLICATION **TRANSMITTAL**

Please type a plus sign (+) inside this

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attomey Docket No.			550	54		Ŋ,
First Inventor		S	amuel	c.	Weaver	7 U
Title	Metal Matrix Composite tte Horseshoe					101
		ЕН963	594	303US		

APPLICATION ELEMENTS			ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 202311					
S e MPEP chapter 600 concerning utility patent application contents.			Washington, DC 20231					
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)			7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)					
	s small entity status.			leotide and/or Amino A	Acid Seque		Submission	
See 37 CFR 1.27.  X Specification [Total Pages 6]			(if a	pplicable, all necessar				
3. (preferred arrangement	set forth below)		а	Computer Readal	ole Form (	CRF)		
- Descriptive title - Cross Reference	of the invention e to Related Applications		b. S	Specification Sequence	E Listing of	n:		
<ul> <li>Statement Rega</li> </ul>	arding Fed sponsored R & D		i. CD-ROM or CD-R (2 copies); or					
	quence listing, a table, rogram listing appendix		i i. 🔲 paper					
- Background of	the Invention		с. [	Statements verify	ing identit	y of ab	ove copies	
- Brief Summary - Brief Description	of the Invention n of the Drawings (if filed)		A	CCOMPANYING	APPLIC	CATIO	ON PARTS	
<ul> <li>Detailed Descri</li> </ul>			9.	X Assignment Paper	s (cover s	heet &	document(s))	
- Claim(s) - Abstract of the	Disclosure		10.	37 CFR 3.73(b) S		X	Power of	
Drawing(s) (25.11	S.C. 443)   Total Shoots	7,	11.	(when there is an English Translation			Attorney	
<ul><li>4 Drawing(s) (35 U</li><li>5. Oath or Declaration</li></ul>	S.C. 113) [ Total Sheets	] , ] ,	12.	Information Disclo	sure	Īx	Copies of IDS	
الكا		] 1	12. Statement (IDS)/PTO-1449  13. Preliminary Amendment					
a. Newly exect Copy from a	uted (original or copy) prior application (37 CFR 1.63 (d)) tion/divisional with Box 18 completed		Return Receipt Postcard (MPEP 503)					
		,	(Should be specifically itemized)					
i. DELETION OF INVENTOR(S)  Signed statement attached deleting inventor(s)			15. Certified Copy of Priority Document(s) (if foreign priority is claimed)					
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).			16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.					
6. Application Data Sheet. See 37 CFR 1.76			17. Other:					
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,					nary amendment,			
or in an Application Data She	$\overline{}$	OID)						
Continuation	Divisional Continuation-in-part (	CIP)		prior application No.:				
Prior application information: For CONTINUATION OR DIVISI	Examiner ONAL APPS only: The entire disclosure	of the or		Group Art Unit:	ath or dec	laration	is supplied under	
Box 5b, is considered a part of	the disclosure of the accompanying co	ntinuatio	n or divi	sional application and i	s hereby ir	icorpo		
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS								
Customer Number or Bar Code Label  (Insert Customer No. or Affach bar code label here)  Or X Correspondence address below								
Name	Ivan L. Ericson							
	121 Whippoorwi	ll Dr	ive					
Address								
City Oak Ridge		Sta	ate	TN	Zip (	Code	37830	
Country	USA	Telepho	one	8654836275	Fá	ax		
Name (Print/Type)	Ivan L. Ericson		Reais	stration No. (Attorne	v/Agent)	29	302	
Ivaine (Finititype)								
Signature	- Jum 2 - Vues				Date			

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## **FEE TRANSMITTAL** for FY 2001

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT** 

U.S. Patent and Tr espond to a collection of info	ank Office: U.S.	igh 10/31/2002. O	FORMMEDOE	
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Application Number			. 80 80 80	6
Filing Date			- CC	
First Named Inventor	Samuel C	. Weaver	16	<b>1</b> 2
Examiner Name	· · · · · · · · · · · · · · · · · · ·		00	Ö
Group Art Unit			<del></del>	
Attorney Docket No.	5564			

METHOD OF PAYMENT	FEE CALCULATION (continued)						
The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:	3. ADDITIONAL FEES						
Deposit	Large Small						
Account Number	Entity Entity Fee Fee Fee Fee Foo Population	_					
Deposit	Code (\$) Code (\$)	Fee Paid					
Account Name	105 130 205 65 Surcharge - late filing fee or oath						
Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17	127 50 227 25 Surcharge - late provisional filing fee or cover sheet						
Applicant claims small entity status.	139 130 139 130 Non-English specification						
See 37 CFR 1.27  2. Payment Enclosed:	147 2,520 147 2,520 For filing a request for ex parte reexamination						
▼ Check □ Credit cord □ Money □	112 920° 112 920° Requesting publication of SIR prior to						
Order C Ottles	Examiner action  113 1.840* 113 1.840* Requesting publication of SIR effection						
FEE CALCULATION	113 1,840° 113 1,840° Requesting publication of SIR after Examiner action						
1. BASIC FILING FEE	115 110 215 55 Extension for reply within first month						
Large Entity Small Entity Fee Fee Fee Fee Fee Description	116 390 216 195 Extension for reply within second month						
Code (\$) Code (\$) Fee Paid	117 890 217 445 Extension for reply within third month						
101 710 201 355 Utility filing fee 355	118 1,390 218 695 Extension for reply within fourth month						
106 320 206 160 Design filing fee	128 1,890 228 945 Extension for reply within fifth month						
107 490 207 245 Plant filing fee	119 310 219 155 Notice of Appeal						
108 710 208 355 Reissue filing fee	120 310 220 155 Filing a brief in support of an appeal						
114 150 214 75 Provisional filing fee	121 270 221 135 Request for oral hearing						
SUBTOTAL (1) (\$) 355	138 1,510 138 1,510 Petition to institute a public use proceeding						
2. EXTRA CLAIM FEES	140 110 240 55 Petition to revive - unavoidable						
Fee from	141 1,240 241 620 Petition to revive - unintentional						
Total Claims 16 -20** = 0 x 0	142 1,240 242 620 Utility issue fee (or reissue)						
independent 3 300 0	143 440 243 220 Design issue fee						
Multiple Dependent	144 600 244 300 Plant issue fee						
	122 130 122 130 Petitions to the Commissioner						
Large Entity Small Entity	123 50 123 50 Processing fee under 37 CFR 1.17(q)						
Fee Fee Fee Fee Description	126 180 126 180 Submission of Information Disclosure Stmt						
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	581 40 581 40 Recording each patent assignment per property (times number of properties)	40					
102 80 202 40 Independent claims in excess of 3		<del>-4</del> U-					
104 270 204 135 Multiple dependent claim, if not paid	146 710 246 355 Filing a submission after final rejection (37 CFR § 1.129(a))						
109 80 209 40 ** Reissue independent claims over original patent	149 710 249 355 For each additional Invention to be examined (37 CFR § 1.129(b))						
110 18 210 9 ** Reissue claims in excess of 20	179 710 279 355 Request for Continued Examination (RCE)						
and over original patent	169 900 169 900 Request for expedited examination						
SUBTOTAL (2) (\$) 0	of a design application	[					
(-)	Other fee (specify)						
**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40							

SUBMITTED BY IV					Complete (if applicable)			
Name (Print/Type)	Ivan L. Ericson	Registration No.	29302	Telephone		-		
Signature	10 10	(Attorney/Agent)	29302	Date	865 483 6275 4-20-01	-		
	Joan L Cricion			Date	4-20-01			

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